



Zeid-01

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:

Robert M. Zeidman

Serial No.: 10/688,573

Filed: October 20, 2003

For: Software Tool for Synthesizing a  
Real-Time Operating System

Examiner: Ben C. Wang

Art Unit: 2196

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

**Transmittal for an Amendment and Response to Office Action**

Dear Sir:

In response to the Office Action mailed November 21, 2006, please find enclosed:

- (1) An Amendment and Response to Office Action;
- (2) Fee Transmittal, in duplicate, and
- (3) Check # 176 in the amount of \$25.00 for the required small entity fees, and



Please associate this patent application with Customer No. **48809**.

Respectfully submitted,

Date: January 26, 2007

  
\_\_\_\_\_  
Jim H. Salter

Registration Number: 35,668

Customer No. **48809**

105 Thoreau Lane

Folsom, CA 95630

408-406-4855

**FIRST CLASS MAIL CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage in an envelope addressed to Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA, 22313-1450

on January 26, 2007

Date of Deposit

Jim H. Salter

  
\_\_\_\_\_  
Name of Person Mailing Correspondence

Signature

1/26/07  
\_\_\_\_\_  
Date



## FEE TRANSMITTAL FOR FY 2005

(FY 2005 Begins 10/01/2004. Fee changes made on 11/22/04 and 12/08/04 are included.)

TOTAL AMOUNT OF PAYMENT (\$) 25.00

Complete if Known:

Application No. 10/688,573

Filing Date October 20, 2003

First Named Inventor Robert M. Zeidman

Examiner Name Ben C. Wang

Art Unit 2196

Attorney Docket No. Zeid-01

### METHOD OF PAYMENT (check all that apply)

☒ Check ☐ Credit Card ☐ Money Order ☐ Other ☐ None  
☐ Deposit Account  
Deposit Account Number : \_\_\_\_\_

\_\_\_\_\_ The Director is Authorized to do the following with respect to the above-identified Deposit Account:

\_\_\_\_\_ Charge fee(s) indicated below.

\_\_\_\_\_ Credit any overpayments.

\_\_\_\_\_ Charge any additional fees during the pendency of this application.

\_\_\_\_\_ Any concurrent or future reply that requires a petition for extension of time should be treated as incorporating an appropriate petition for extension of time and all required fees should be charged.

\_\_\_\_\_ Charge fee(s) indicated below except for the filing fee

### FEE CALCULATION

#### 1A. BASIC FILING FEE/SEARCH FEE/EXAMINATION FEE

Large Entity		Small Entity		Fee Description		Fee Paid
Code	Fee (\$)	Code	Fee (\$)			
1011	300	2011	150	Utility application filing fee	} 1,000/500*	_____
1111	500	2111	250	Utility search fee		_____
1311	200	2311	100	Utility examination fee		_____
1012	200	2012	100	Design application filing fee	} 430/215*	_____
1112	100	2112	50	Design search fee		_____
1312	130	2312	65	Design examination fee		_____
1013	200	2013	100	Plant filing fee	} 660/330*	_____
1113	300	2113	150	Plant search fee		_____
1313	160	2313	80	Plant examination fee		_____
1004	300	2004	150	Reissue filing fee	} 1,400/700*	_____
1114	500	2114	250	Reissue search fee		_____
1314	600	2314	300	Reissue examination fee		_____
1005	200	2005	100	Provisional application filing fee		_____
SUBTOTAL (1) \$						<u>0</u>

\* List the filing, search, and examination fees separately, but pay concurrently.

# 1B. APPLICATION SIZE FEE

		<u>Extra Sheets</u>		<u>Fee from below</u>		<u>Fee paid</u>
Total Sheets	_____ - 100 =	_____ /50 =	_____ * X	_____		<u>0</u>
		*(round up to integer)				
<u>Large Entity</u>		<u>Small Entity</u>				
Fee	Fee	Fee	Fee			
Code	(\$)	Code	(\$)	<u>Fee Description</u>		
1081	250	2081	125	Utility application size fee for each additional group of 50 sheets beyond initial 100 sheets (count spec & drawings except sequences & program listings)		
1082	250	2082	125	Design application size fee for each additional group of 50 sheets beyond initial 100 sheets (count spec & drawings except sequences & program listings)		
1083	250	2083	125	Plant application size fee for each additional group of 50 sheets beyond initial 100 sheets (count spec & drawings except sequences & program listings)		
1084	250	2084	125	Reissue application fee for each additional group of 50 sheets beyond initial 100 sheets (count spec & drawings except sequences & program listings)		
						SUBTOTAL (2) \$ <u>0</u>

## 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

		<u>Extra Claims</u>		<u>Fee from below</u>		<u>Fee Paid</u>
Total Claims	<u>21</u>	- 20** =	<u>1</u>	X	<u>25</u>	= <u>25</u>
Independent Claims	<u>3</u>	- 3** =	<u>0</u>	X	<u>0</u>	= <u>0</u>
Multiple Dependent					<u>0</u>	= <u>0</u>
**Or number previously paid, if greater; For Reissues, see below.						
<u>Large Entity</u>		<u>Small Entity</u>				
Code	(\$)	Code	(\$)	Fee	Fee	Fee
1202	50	2202	25	<u>Fee Description</u>		
1201	200	2201	100	Claims in excess of 20		
1203	360	2203	180	Independent claims in excess of 3		
1204	200	2204	100	Multiple dependent claim, if not paid		
1205	50	2205	25	**Reissue independent claims over original patent		
				**Reissue claims in excess of 20 and over original patent		
						SUBTOTAL (3) \$ <u>25.00</u>

**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

<u>Large Entity</u>		<u>Small Entity</u>		<u>Fee Description</u>	<u>Fee Paid</u>
<u>Fee Code</u>	<u>Fee (\$)</u>	<u>Fee Code</u>	<u>Fee (\$)</u>		
1051	130	2051	65	Surcharge - late filing fee or oath	_____
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	_____
1053	130	1053	130	Non-English specification	_____
1812	2,520	1812	2,520	For filing a request for ex parte reexamination	_____
1813	8,800	1813	8,800	Request for inter parties reexamination	_____
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	_____
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	_____
1251	120	2251	60	Extension for reply within first month	_____
1252	450	2252	225	Extension for reply within second month	_____
1253	1,020	2253	510	Extension for reply within third month	_____
1254	1,590	2254	795	Extension for reply within fourth month	_____
1255	2,160	2255	1,080	Extension for reply within fifth month	_____
1401	500	2401	250	Notice of Appeal	_____
1402	500	2402	250	Filing a brief in support of an appeal	_____
1403	1,000	2403	500	Request for oral hearing	_____
1451	1,510	1451	1,510	Petition to institute a public use proceeding	_____
1452	500	2452	250	Petition to revive - unavoidable	_____
1453	1,500	2453	750	Petition to revive - unintentional	_____
1501	1,400	2501	700	Utility issue fee (or reissue)	_____
1502	800	2502	400	Design issue fee	_____
1503	1100	2503	550	Plant issue fee	_____
1464	130	1460	130	Petitions to the Commissioner (CFR 1.17(h) Group III)	_____
1463	200	1460	200	Petitions to the Commissioner (CFR 1.17(g) Group II)	_____
1462	400	1460	400	Petitions to the Commissioner (CFR 1.17(f) Group I)	_____
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	_____
1806	180	1806	180	Submission of Information Disclosure Stmt	_____
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	_____
1809	790	2809	395	For filing a submission after final rejection (see 37 CFR 1.129(a))	_____
1814	130	2814	65	Statutory Disclaimer	_____
1810	790	2810	395	For each additional invention to be examined (see 37 CFR 1.129(b))	_____
1801	790	2801	395	Request for Continued Examination (RCE)	_____
1802	900	1802	900	Request for expedited examination of a design application	_____
1504	300	1504	300	Publication fee for early, voluntary, or normal pub.	_____
1505	300	1505	300	Publication fee for republication	_____
1803	130	1803	130	Request for voluntary publication or republication	_____
1808	130	1808	130	Processing fee under 37 CFR 1.17(i) (except provisionals)	_____
1454	1,370	1454	1,370	Acceptance of unintentionally delayed claim for priority	_____

Other fee (specify) \_\_\_\_\_

Other fee (specify) \_\_\_\_\_

**SUBTOTAL (4) \$** \_\_\_\_\_

\*Reduced by Basic Filing Fee Paid

**SUBMITTED BY:**Typed or Printed Name: James H. Salter

Signature: \_\_\_\_\_

Reg. Number: 35,668Date: 6/26/07Telephone Number: (408) 406-4855

Send to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450



**AMENDMENT AND RESPONSE UNDER 37 CFR § 1.111**

Serial Number: 10/688,573

Filing Date: October 20, 2003

Title: SOFTWARE TOOL FOR SYNTHESIZING A REAL-TIME OPERATING SYSTEM

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Dkt: Zeid-01

**S/N 10/688,573**

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Robert M. Zeidman

Examiner: Ben C. Wang

Serial No.: 10/688,573

Group Art Unit: 2196

Filed: October 20, 2003

Docket No.: Zeid-01

Title: SOFTWARE TOOL FOR SYNTHESIZING A REAL-TIME OPERATING SYSTEM

**AMENDMENT AND RESPONSE UNDER 37 CFR § 1.111**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

This responds to the Office Action mailed on November 21, 2006. Please amend the above-identified patent application as follows.

**IN THE CLAIMS**

Please amend the claims as follows:

- 1) (Currently Amended) A method for developing a real-time operating system, comprising:
  - a) specifying a set of n tasks, task (1) through task(n), to be scheduled for execution, at least one of the tasks of said set of n tasks being selectively configurable as a preemptive or a non-preemptive task;
  - b) specifying ~~an~~ a scheduling algorithm for scheduling the execution of said set of n tasks; and
  - c) synthesizing source code with embedded commands to implement a task scheduler that uses said scheduling algorithm and said embedded commands for controlling execution of said set of n tasks.
- 2) (Currently Amended) The method of claim 1) further including specifying t init-tasks that are executed only once upon initial execution of said task scheduler, t being less than or equal to n.
- 3) (Currently Amended) The method of claim 1) further including specifying f f-loop tasks, each having an associated integer value l(i) for i ranging from 1 to f and f being less than or equal to n, said task scheduler including a continuously executing loop such that each f-loop task executes exactly once every l(i) times that the loop is executed.